

FIG. 1






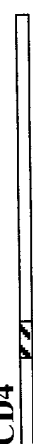

	Prokaryotic			Eukaryotic		
	(Growth)			(β-lactamase activity)		
	Constructs					
	Kar	Carb/IPTG	β-lactamase activity (in medium)	Medium	Cell lysis	
Intact β-lactamase	Signal peptide 	+	+	+	+	
Leaderless β-lactamase	Met 	-	-	-	+	
Signal peptide β-lactamase	Signal peptide  Linker 	+	+	+	+	
Non-secreted protein β-lactamase fusion	HSP 	-	-	-	+	
Trans-membrane protein β-lactamase fusion	CD4 	< 0.01%	-/+	-	+	
5' biased cDNA β-lactamase library	cDNA 	~ 1 %	~80%	~50%	NA	

FIG. 2